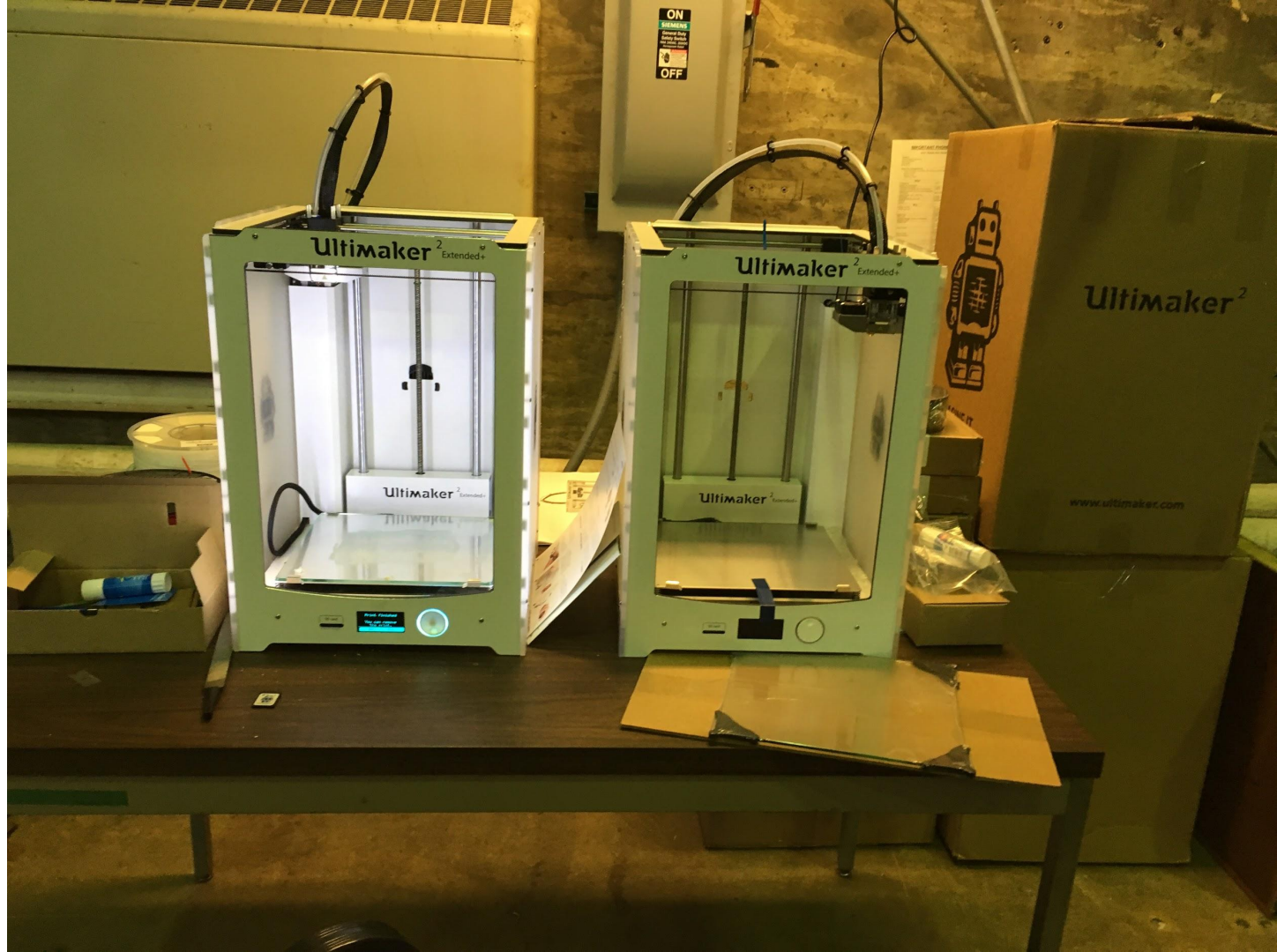


NPL and 2D Module Update, August 2016

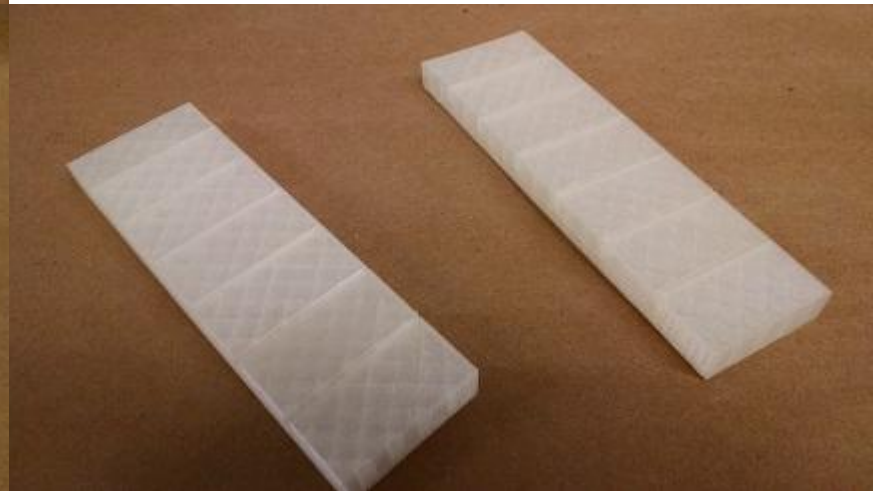
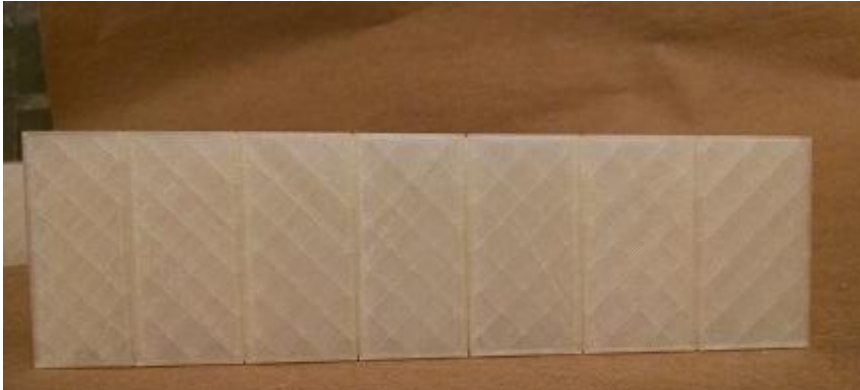
Eric Thorsland, Peter Sobel, Anne Sickles, Virginia Bailey, Michael Higdon

Second Printer



Side Pieces of the mold

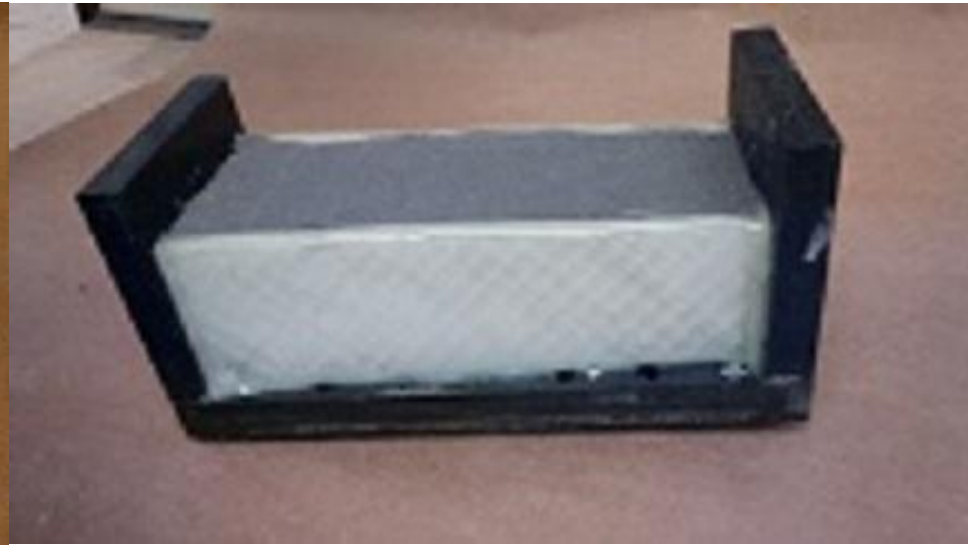
- Tighter Fit
- New material: ABS
 - More “glossy”
 - Epoxy has a harder time drying onto mold
 - Easier removal: reuse sides



Another
picture of
the ABS
side mold

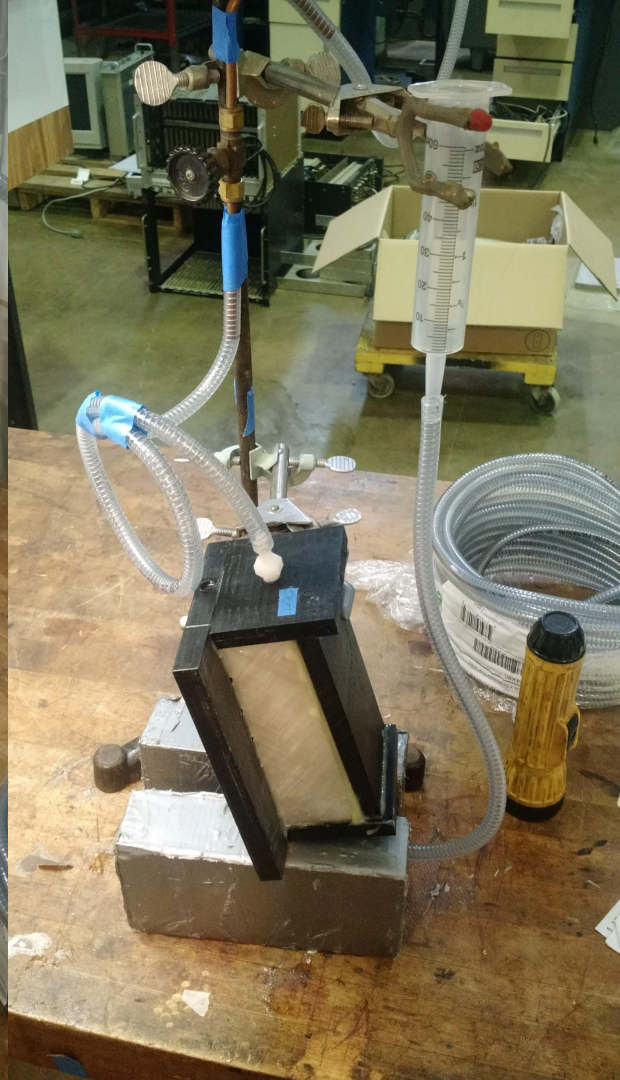


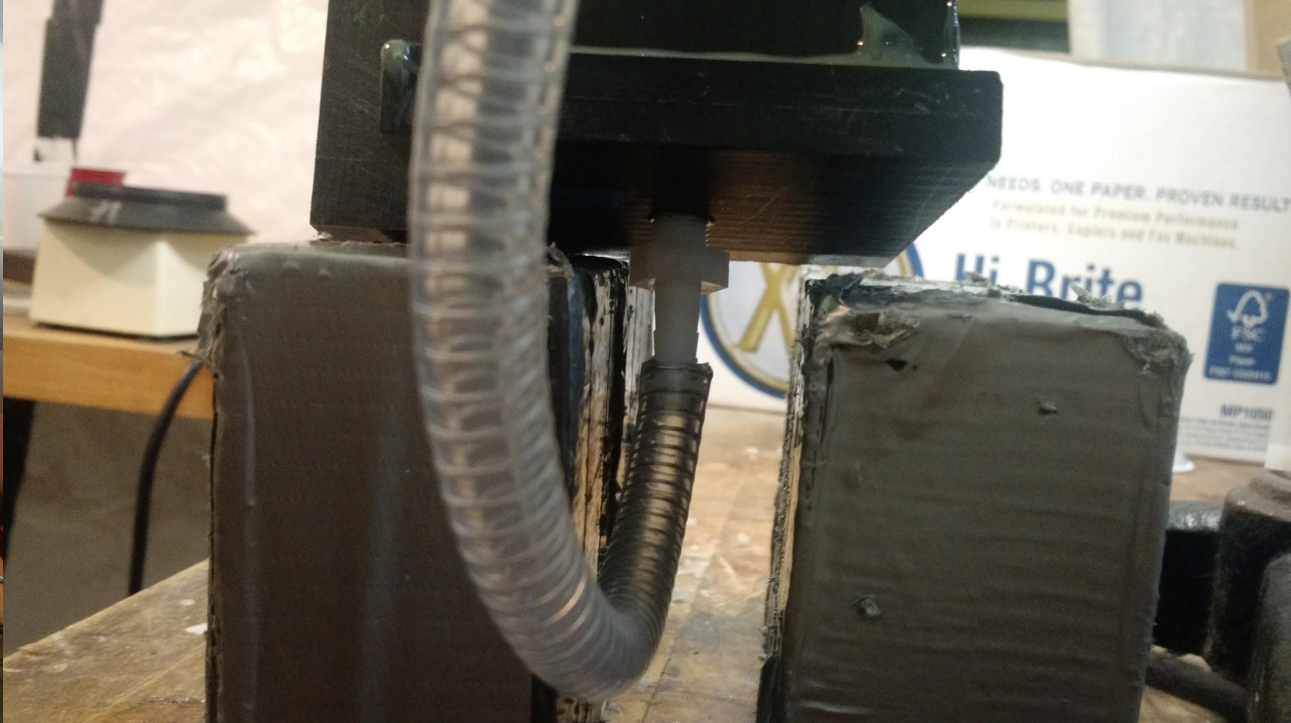
Mold and fibers before and after
tungsten added



Epoxy Setup:

- Vacuumed up through top
- Completely enclosed on all sides (except vacuum tubes)





Finished Product:

- Tungsten did not reach all the way up
- No dry spots
- Good fiber quality

Plan to stand mold more upright when adding Epoxy: improves tungsten coverage so one side is not favored over the other

